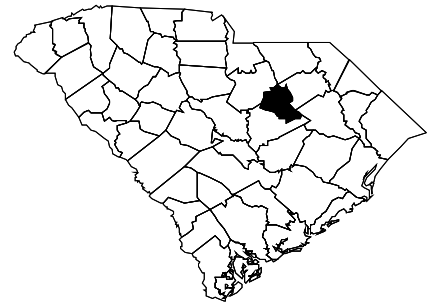


# IMPACT OF CHRONIC CONDITIONS LEE County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Lee county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Lee county's population is similar to the state population. The majority (40%) of the population in Lee county are between the ages of 18-44. There are more males (51%) than females (49%). However, Lee county has a higher minority population (64%) than the state (31%). When adults in DHEC's Region 4, which includes Lee County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	LEE COUNTY	STATE
<b>Population size</b>	20,638	4,255,083
<b>Age distribution (%)</b>		
<18	23	24
18-44	40	38
45-64	25	25
65-84	10	11
85+	2	2
<b>Race (%)</b>		
White	36	69
Black & Other	64	31
<b>Sex (%)</b>		
Male	51	49
Female	49	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Lee County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	27	26
Overweight	64	65
High Cholesterol	36	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.8	.	.	.	.	31.7
Number of hospitalizations	42	29	13	23	19	5,032
Crude rate of hospitalizations (per 100,000)	204	220	174	218	188	118
Median age of hospitalized patients	60	67	47	57	67	57
Total cost of hospitalization (\$)	690,700	498,800	191,900	437,200	253,500	109,400,500
Average length of hospital stay (days)	4	4	3	4	4	5
Number of ED visits	43	39	4	12	31	7,466
Crude rate of ED visits (per 100,000)	208	296	54	114	307	175
Median age of ED patients	47	47	50	47	47	52
Total cost of ED visits (\$)	50,800	43,200	7,600	14,100	36,700	9,929,000
Number of deaths**	5	5	-	3	2	423
Age-Adjusted Death rate (per 100,000)**	25	52	-	41	15	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	305	168	137	161	144	60,901
Crude rate of hospitalizations (per 100,000)	1,478	1,276	1,833	1,528	1,426	1,431
Median age of hospitalized patients	67	67	67	62	72	67
Total cost of hospitalization (\$)	9,012,800	4,873,600	4,139,200	5,013,800	3,999,000	2,286,836,400
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ED visits	43	31	12	16	27	12,989
Crude rate of ED visits (per 100,000)	208	236	161	152	267	305
Median age of ED patients	57	57	55	57	57	62
Total cost of ED visits (\$)	150,000	121,300	28,700	84,200	65,800	42,115,900
Number of deaths**	51	31	20	19	32	9,328
Age-Adjusted Death rate (per 100,000)**	249	297	214	218	254	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	73	39	34	31	42	13,925
Crude rate of hospitalizations (per 100,000)	354	296	455	294	416	327
Median age of hospitalized patients	67	62	75	72	67	72
Total cost of hospitalization (\$)	2,360,200	1,554,700	805,500	725,500	1,634,700	384,441,600
Average length of hospital stay (days)	10	13	6	5	13	6
Number of ED visits	6	5	1	4	2	2,515
Crude rate of ED visits (per 100,000)	29	38	13	38	20	59
Median age of ED patients	72	77	67	80	67	67
Total cost of ED visits (\$)	21,600	19,200	2,400	12,200	9,400	9,113,000
Number of deaths**	15	9	6	11	4	2,440
Age-Adjusted Death rate (per 100,000)**	70	76	55	127	34	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	105	72	33	48	57	15,753
Crude rate of hospitalizations (per 100,000)	509	547	441	456	564	370
Median age of hospitalized patients	57	52	67	67	52	62
Total cost of hospitalization (\$)	1,465,500	878,900	586,600	805,100	660,400	268,425,300
Average length of hospital stay (days)	4	3	5	4	4	5
Number of ED visits	266	216	50	117	149	36,543
Crude rate of ED visits (per 100,000)	1,289	1,641	669	1,110	1,475	859
Median age of ED patients	22	22	37	22	22	37
Total cost of ED visits (\$)	321,400	256,900	64,500	142,400	179,000	40,613,700
Number of deaths**	9	2	7	5	4	1,968
Age-Adjusted Death rate (per 100,000)**	44	21	68	62	32	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	76	59	17	34	42	9,027
Crude rate of hospitalizations (per 100,000)	368	448	227	323	416	212
Median age of hospitalized patients	57	57	72	57	65	52
Total cost of hospitalization (\$)	1,713,100	1,414,000	299,100	774,600	938,500	179,747,700
Average length of hospital stay (days)	6	6	5	6	6	6
Number of ED visits	59	55	4	20	39	9,603
Crude rate of ED visits (per 100,000)	286	418	54	190	386	226
Median age of ED patients	57	57	60	52	67	52
Total cost of ED visits (\$)	81,200	75,300	5,900	30,600	50,600	13,447,300
Number of deaths**	13	8	5	9	4	1,183
Age-Adjusted Death rate (per 100,000)**	62	67	52	101	33	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	99	66	33	57	42	16,389
Crude rate of hospitalizations (per 100,000)	480	501	441	541	416	385
Median age of hospitalized patients	62	62	72	67	62	62
Total cost of hospitalization (\$)	3,441,400	2,062,000	1,379,400	1,592,800	1,848,600	664,309,500
Average length of hospital stay (days)	8	7	10	8	9	8
Number of deaths**	56	31	25	35	21	8,617
Age-Adjusted Death rate (per 100,000)**	268	278	260	409	177	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	11	2	3	10	2,070
Crude rate of hospitalizations (per 100,000)	63	84	27	28	99	49
Median age of hospitalized patients	57	57	55	47	62	67
Total cost of hospitalization (\$)	790,300	629,500	160,800	79,000	711,300	101,377,700
Average length of hospital stay (days)	14	13	17	7	16	10
Number of deaths**	3	2	1	3	-	812
Age-Adjusted Death rate (per 100,000)**	16	21	10	41	-	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	7	1	-	8	1,228
Crude rate of hospitalizations (per 100,000)	79	109	27	-	70	56
Median age of hospitalized patients	60	62	37	-	60	62
Total cost of hospitalization (\$)	112,500	103,500	9,000	-	112,500	26,163,000
Average length of hospital stay (days)	2	2	1	-	2	3
Number of deaths**	4	1	3	-	4	651
Age-Adjusted Death rate (per 100,000)**	38	15	78	-	38	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	1	1	-	2	192
Crude rate of hospitalizations (per 100,000)	20	16	27	-	20	9
Median age of hospitalized patients	42	37	47	-	42	47
Total cost of hospitalization (\$)	46,600	27,600	19,000	-	46,600	4,668,500
Average length of hospital stay (days)	4	6	2	-	4	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	10	9	11	8	2,181
Crude rate of hospitalizations (per 100,000)	92	76	120	104	79	51
Median age of hospitalized patients	72	65	72	67	75	67
Total cost of hospitalization (\$)	840,400	238,600	601,800	346,600	493,800	92,775,300
Average length of hospital stay (days)	10	6	15	9	12	9
Number of deaths**	20	8	12	12	8	2,703
Age-Adjusted Death rate (per 100,000)**	96	73	123	145	68	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	4	2	6	-	1,209
Crude rate of hospitalizations (per 100,000)	57	60	52	78	-	58
Median age of hospitalized patients	57	57	60	57	-	62
Total cost of hospitalization (\$)	150,200	94,900	55,300	150,200	-	30,356,600
Average length of hospital stay (days)	3	3	4	3	-	4
Number of deaths**	6	5	1	6	-	460
Age-Adjusted Death rate (per 100,000)**	65	116	18	65	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes

All hospitalizations of Blacks include Blacks and Others.

#### For more information about

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